

SPECIFICATIONS

RC-50	
AD Conversion	24 bit
DA Conversion	24 bit
Sampling Frequency	44.1 kHz
Program Memories	99
Nominal Input Level	INST: -10 dBu, MIC: -50 dBu, AUX: -16 dBu
Input Impedance	INST: 1 MΩ, MIC: 1 kΩ, AUX: 100 kΩ
Nominal Output Level	MAIN OUTPUT: -10 dBu, SUB OUTPUT: -10 dBu
Output Impedance	MAIN OUTPUT: 2 kΩ, SUB OUTPUT: 2 kΩ, PHONES: 47 Ω
Available Recording Time*	STEREO: Approx. 24 minutes, MONO: Approx. 49 minutes
Control	
Front Panel	REC/PLAY/OVERDUB pedal, STOP pedal, TEMPO pedal, UNDO/REDO pedal, PHRASE 1 pedal, PHRASE 2 pedal, PHRASE 3 pedal, PATCH/VALUE dial, PARAMETER buttons, TAP TEMPO button, NAME/PATCH button, CTL/EXP PEDAL button, SYSTEM/USB button, EXIT button, WRITE button, PLAY MODE button, LOOP SYNC button, AUTO REC button, INPUT MODE button, OVERDUB MODE button, LOOP QUANTIZE indicator, OVERDUB MODE indicators (OVERDUB, REPLACE, MOMENTARY PUNCH-IN)
PHRASE EDIT	PHRASE LEVEL knobs (PHRASE 1, 2, 3), PHRASE buttons (PHRASE 1, 2, 3), REVERSE indicators (PHRASE 1, 2, 3), ONE SHOT indicators (PHRASE 1, 2, 3)
GUIDE	LEVEL knob, SELECT button, START/STOP button
INPUT LEVEL	AUX knob, MIC knob, INST knob, PEAK indicator
MASTER	LEVEL knob
Rear Panel	PHANTOM switch, POWER switch
Others	
Display	16 characters, 2 lines (backlit LCD), 2 characters, 7 segment LED
Connectors	INST jacks R (MONO)/L (1/4 inch phone type), MIC connector (XLR type; supports use of phantom power), AUX jack (Stereo miniature phone type), MAIN OUTPUT jacks R (MONO)/L (1/4 inch phone type), PHONES jack (Stereo 1/4 inch phone type), SUB OUTPUT jacks R (MONO)/L (1/4 inch phone type), EXP/CTL 3, 4 PEDAL jack (TRS 1/4 inch phone type), CTL 1, 2 PEDAL jack (TRS 1/4 inch phone type), USB connector, MIDI connectors (IN/OUT), DC IN (AC adaptor) jack
Power Supply	DC 9 V: Supply AC adaptor (Roland ACI or ACB series)
Current Draw	450 mA
Accessories	AC adaptor (Roland ACI or ACB series), USB cable, Owner's Manual, Sound Library for RC-50 (Sample Phrase CD)
Size and Weight	
Width	472 mm (18-5/8 inches)
Depth	198 mm (7-13/16 inches)
Height	64 mm (2-9/16 inches)
Weight	2.9 kg (6 lbs. 7 oz.) (not incl. AC adaptor)

* The times listed above take into account the amount of memory needed for the actual recording combined with the memory required for the RC-50's operations (e.g., Undo/Redo). * 0 dBu=0.775 Vrms

RC-20 XL	
Nominal Input Level	INST: -20 dBu (variable), MIC: -40 dBu (variable), AUX IN: -10 dBu
Input Impedance	INST: 1 MΩ, MIC: 1 kΩ, AUX IN: 47 kΩ
Nominal Output Level	OUTPUT: -20 dBu
Output Impedance	1 kΩ
Recommended Load Impedance	10 kΩ or greater
Internal Memory	Recording time: 16 min.(max.)
Maximum number of saved phrases	11 phrases (max.)
Connectors	INST jack (1/4 inch phone type), MIC jack (1/4 inch phone type), AUX IN jack (Stereo miniature phone type), PHRASE SHIFT jack (1/4 inch TRS phone type), REVERSE jack (1/4 inch phone type), OUTPUT jack (1/4 inch phone type), AC Adaptor jack
Power Supply	DC 9V: Dry battery (R6/LR6 (AA) type) x 6, AC Adaptor (Optional PSA-series)
Current Draw	120 mA (9 V max.)
Accessories	Owner's Manual, Dry battery (AA type) x 6, Sound Library for RC-20XL (Sample Phrase CD)
Size and Weight (incl. batteries)	
Width	173 mm (6-13/16 inches)
Depth	158 mm (6-1/4 inches)
Height	57 mm (2-1/4 inches)
Weight	1.2 kg (2 lbs. 11 oz.) (incl. Dry battery)

* 0 dBu=0.775 Vrms

OPTIONS

F5-5U Foot Switch		F5-6 Dual Foot Switch		EV-5 Expression Pedal	 Roland
FV-500L Expression Pedal		FV-500H Expression Pedal		PCS-31 Foot Switch Cable (Stereo 1/4 inch phone plug-1/4 inch phone plug x 2)	Roland



RC-50/RC-20XL



The Industry-Leading Loop Tools
for Live Performance

Turn a single instrument or voice into a wall of synchronized sound with the RC-50.



FOR GUITARISTS/
BASSISTS

Unleash the ultimate solo. With three stackable phrase tracks, you can build an intricate, layered masterpiece live onstage.



FOR VOCALISTS

An XLR input, complete with phantom power, is built into the back panel. Just plug in a mic and start singing.



FOR DJs & RAPPERS

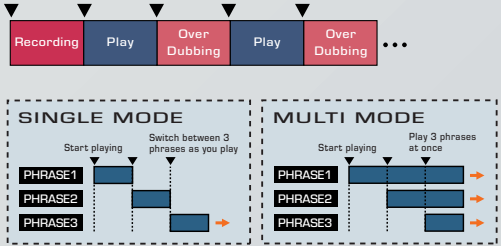
Create on-the-fly remixes and loops by feeding audio tracks into the RC-50, and layering and manipulating the audio.



For those awaiting the arrival of the ultimate looper, the wait is finally over. Meet the most feature-laden Loop Station in BOSS history!

- 7 footswitches for intuitive control; realtime control of playback speed
- Play up to 3 stereo phrase tracks simultaneously, all synced to internal or MIDI clock
- Up to 49 min. record time (mono), 99 patches (3 master loops per patch)
- Undo/Redo function for recording and overdubbing
- Stereo in, dual stereo out, XLR phantom-powered mic in, stereo mini-jack Aux in
- USB port for data/audio backup, import/export of loops as WAV files

■ Overdub by simply stepping on a pedal as indicated below



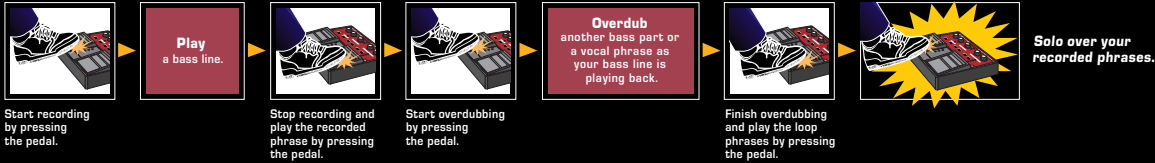
RC-50 LOOP STATION
USB



RC-50 REAR PANEL

REALTIME PERFORMANCE

■ OPERATION EXAMPLE
"SOUND ON SOUND"



Powerful yet compact, the RC-20XL is the loop-creation choice of professionals who like to travel light.

- Loops and riffs can be stacked repeatedly; approx. 16 minutes of recording time
- Undo and Guide functions make it easy to create perfect loops
- Change loop tempo without changing pitch

RC-20XL LOOP STATION
PHRASE RECORDER

Hands-Free Simplicity

The RC-20XL provides friendly "hands-free" pedal operation: control Record, Play, and Overdub functions via foot, and keep your hands free to play your instrument. Enjoy 16 minutes of recording time. Correct mistakes with the Undo function.

Performance Tools

Create a multi-layered loop live onstage, then bring it to an artistic conclusion with the three Stop options. When you hit the pedal, you can either immediately stop the playback, let the phrase play until the end, or fade it out.



RC-20XL REAR PANEL